

# Morbidity and Mortality

Weekly  
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED NOVEMBER 14, 1964

## TETANUS

## EPIDEMIOLOGIC NOTES

A total of 5 cases of tetanus was reported for the week ended November 17. This brings to 249 the cumulative total for 1964; for the comparable period of 1963, 251 cases were reported.

In 1963 there were 325 cases of tetanus reported in the United States. Although cases were reported from all areas of the country, the disease was more frequently reported in the southern States. Thirty-eight of the 1963 cases occurred in children under 1 year of age and 137 cases (42 percent) were in the age group, 50 years and over.

The graph depicts reported tetanus in the United States during the years 1947-1963. Tetanus incidence has declined slowly despite extensive immunization, particularly of children.

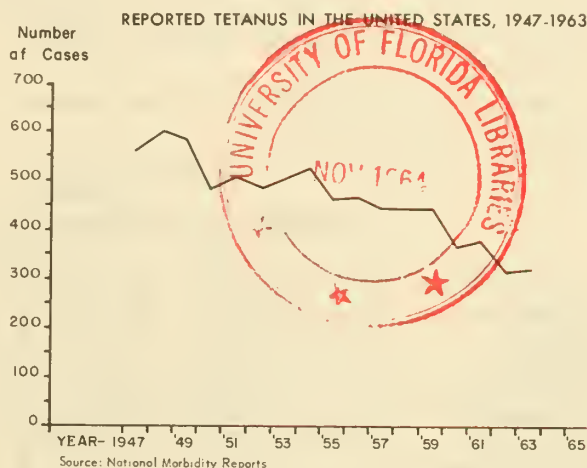


Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	46th Week Ended		Median 1959 - 1963	Cumulative, First 46 Weeks		
	November 14, 1964	November 16, 1963		1964	1963	Median 1959 - 1963
Aseptic meningitis .....	45	23	---	1,905	1,651	---
Brucellosis .....	6	9	8	358	326	520
Diphtheria .....	8	5	16	249	238	506
Encephalitis, primary infectious ..	56	33	---	2,946	1,399	---
Encephalitis, post-infectious .....	6		---	735		---
Hepatitis, infectious including serum hepatitis .....	623	793	817	33,713	38,292	38,292
Measles .....	1,539	1,885	2,565	443,732	368,873	399,815
Meningococcal infections .....	46	30	41	2,391	2,097	1,952
Poliomyelitis, Total .....	1	11	32	110	389	1,242
Paralytic .....	-	10	25	86	332	812
Nonparalytic .....	-	1	---	12	40	---
Unspecified .....	1	-	---	12	17	---
Streptococcal Sore Throat and Scarlet fever .....	6,436	6,356	---	346,875	297,496	---
Tetanus .....	5	9	---	249	251	---
Tularemia .....	2	1	---	293	260	---
Typhoid fever .....	6	10	14	406	483	744
Rabies in Animals .....	72	72	63	3,986	3,372	3,285

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Psittacosis:	41
Botulism:	15	Rabies in Man:	1
Leptospirosis: Tenn - 1	96	Smallpox:	-
Malaria: Conn - 1, Mo - 1, Fla - 1, Wash - 1	89	Typhus-	
Plague:	-	Murine: Md - 1	23
		Rky Mt. Spotted: Ark - 1	218

## EPIDEMIOLOGICAL REPORTS

## SALMONELLOSIS — Iowa

From 12 to 45 hours after a picnic dinner in Clay County, 11 of the 24 in attendance began to experience symptoms of gastroenteritis. The median incubation period was 20 hours. The symptoms included nausea, vomiting, abdominal cramps, diarrhea, headache, backache, and fever. Two patients required hospitalization. All recovered after 2 to 14 days of illness; the median duration of illness was 6 days.

All eleven ill ate deviled eggs; the 13 who remained well did not (see table below).

Type of Food	Consumed Food			Did Not Consume Food		
	Na.	Ill	A/R %	Na.	Ill	A/R %
Deviled eggs	11	11	100	13	0	0
Gaulash	24	11	45	0	0	0
Pumpkin pie	13	9	70	11	2	18
Tuna salad sandwich	8	5	62	16	6	37
Park sandwich	5	3	60	19	8	41
Beef sandwich	6	5	83	18	6	33
Pressed ham sandwich	11	5	45	13	5	38
Park and beans	10	6	60	14	5	37

Eight eggs were hard-boiled the night before the picnic, and stored in the cupboard overnight. The following morning, the egg yolks were removed and mixed

with salad dressing, then replaced in the sliced egg whites. They were covered in a plastic dish until consumed at the picnic.

*Salmonella manhattan* was recovered from the stool cultures of 4 of the victims including the woman who prepared the eggs. They were the only patients cultured. The food handler's son, aged 10, did not eat the eggs; his culture was negative for the organisms. A 2-year-old daughter who did not eat the eggs was asymptomatic, but her culture yielded *S. manhattan*. She had neither recent illness nor a past history of salmonellosis.

None of the food served at the picnic was available for laboratory examination at the time of the investigation. The eggs used for the picnic had been obtained from the farm across the road from the food handler; the farm belonged to the food handler's parents. Cultures of eggs, chickens, and pets (taken one month after the picnic) were negative for salmonella.

(Reported by Ralph H. Heeren, M.D., Director, and Stanley L. Hendricks, D.V.M., Associate Director, Division of Preventable Diseases, Iowa State Department of Health.)

*Editor's Note:* *S. manhattan* comprised one percent of all salmonella serotypes isolated from human sources during 1963. Isolations of this serotype were reported to the Communicable Disease Center by 28 States, from coast to coast.

## TYPHOID FEVER — Aboard French Merchant Vessel

A case of typhoid fever in a French seaman aboard a merchant vessel docked at Duluth, Minnesota was reported by Minnesota State Department of Health authorities. On August 9, a French seaman became ill on board ship with chills, fever, myalgia, back pain, and headache. The ship docked at Duluth on August 12 and the seaman was taken to a local hospital. Blood and stool cultures subsequently grew *Salmonella typhi* phage type E-1.

Epidemiologic investigation indicated that the vessel, with a complement of 36 people, had been in Hamburg, Germany on July 18 and had stored fresh water and food. On July 22, the vessel docked for 24 hours in Casablanca where the crew bought a basket of raw shellfish which was consumed by 10 of the men. During the next 6 days there were 14 cases of diarrhea and abdominal cramps without nausea, vomiting, fever, or chills. All of

the 10 men who had eaten the raw shellfish experienced these symptoms. There was no more illness on board ship until August 9 when the crewman who was subsequently diagnosed as having typhoid fever became ill. He was one of the 10 who had eaten the shellfish.

All of the remaining crew and officers had stool cultures but no pathogenic organisms were uncovered. The hospitalized crewman was treated with chloramphenicol and was asymptomatic within 3 days; however, his stool cultures were still positive for *S. typhi* at that time. A 2-week follow-up revealed no further infections of the crew, and the vessel was cleared to proceed to Rotterdam.

(Reported by D. S. Fleming, M.D., Director, Division of Disease Control, Minnesota Department of Health, and an EIS Officer.)

REPORTED CASES OF POST-INFECTIOUS ENCEPHALITIS FOR SEPTEMBER AND OCTOBER  
NINE WEEKS ENDING 9/5, 9/12, 9/19, 9/26, 10/3, 10/10, 10/17, 10/24, 10/31

REPORTING AREA	REPORTED PRIMARY INFECTION								
	Mumps	Chickenpox	Measles	Rubella	Influenza	Herpes Simplex	Respiratory Syncytial	Vaccinia	Pertussis Vaccine
NEW ENGLAND									
Rhode Island	3								
MIDDLE ATLANTIC									
New York, Upstate	1		1						
Pennsylvania	2	1							
EAST NORTH CENTRAL									
Illinois	5		1						
SOUTH ATLANTIC									
Virginia		1							
South Carolina	1								
EAST SOUTH CENTRAL									
Tennessee					1				
MOUNTAIN									
Montana				1					
PACIFIC									
Washington	2								
California	28	1				1			
Hawaii			1						
U.S. TOTAL	42	3	3	1	1	1			
U.S. CUMULATIVE TOTAL*									
Through 10/31	436	60	174	34	10	10	1	1	1

\* Includes revised and delayed reports

(States not reporting a case not listed)

POST-INFECTIOUS ENCEPHALITIS –  
SEPTEMBER, OCTOBER

A total of 26 cases of post-infectious encephalitis was reported in September and 25 in October. This brings to 727 the cumulative total of post-infectious encephalitis cases reported for the first 10 months of 1964. (For earlier reports, see MMWR, Vol. 13, pp. 46, 102, 143, 177, 219, 266, 293, and 331).

Of the 51 cases reported during the past 2-month period, 42 were attributed to mumps. Such cases account for 60 percent of all cases of post-infectious encephalitis recorded thus far this year. Since January, only one case of encephalitis following smallpox vaccination has been recorded and one case following pertussis immunization.

DISTRIBUTION OF POST-INFECTIOUS ENCEPHALITIS CASES DUE TO MUMPS, MEASLES AND OTHER  
CAUSES IN 1964, BY MONTHS\*

Month of Report	Mumps	Measles	Other	Total Cases
January	26	3	2	31
February	40	6	6	52
March	39	19	11	69
April	69	51	21	141
May	60	46	13	119
June	63	26	28	117
July	64	15	21	100
August	33	5	9	47
September	22	2	2	26
October	20	1	4	25
CUMULATIVE TOTAL	436	174	117	727

\* Includes revised and delayed reports.

## Morbidity and Mortality Weekly Report

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
NOVEMBER 14, 1964 AND NOVEMBER 16, 1963 (46TH WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis, Total Cases				Poliomyelitis, Paralytic			
			Primary	Post-Inf.								
	1964	1963	1964	1964	1964	1963	Cumulative		1964	1963	Cumulative	
							1964	1963			1964	1963
UNITED STATES...	45	23	56	6	1	11	110	389	-	10	86	332
NEW ENGLAND.....	3	1	1	-	-	-	2	8	-	-	2	8
Maine.....	-	-	-	-	-	-	-	2	-	-	-	2
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	1	-	-	-	1
Massachusetts.....	1	-	-	-	-	-	-	3	-	-	-	3
Rhode Island.....	2	1	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	1	-	-	-	2	2	-	-	2	2
MIDDLE ATLANTIC.....	1	3	22	-	-	1	15	117	-	1	13	94
New York City.....	-	-	4	-	-	-	2	-	-	-	2	-
New York, Up-State..	1	3	-	-	-	-	10	9	-	-	9	6
New Jersey.....	-	-	15	-	-	-	3	4	-	-	2	3
Pennsylvania.....	-	-	3	-	-	1	-	104	-	1	-	85
EAST NORTH CENTRAL...	5	1	7	-	1	1	23	58	-	1	15	47
Ohio.....	1	-	1	-	1	-	4	8	-	-	2	4
Indiana.....	-	-	2	-	-	-	8	4	-	-	5	3
Illinois.....	1	-	2	-	-	-	5	17	-	-	5	16
Michigan.....	2	1	2	-	-	-	3	20	-	-	2	20
Wisconsin.....	1	-	-	-	-	1	3	9	-	1	1	4
WEST NORTH CENTRAL...	1	1	6	2	-	1	10	7	-	1	8	6
Minnesota.....	1	1	-	-	-	-	3	4	-	-	2	4
Iowa.....	-	-	-	1	-	-	1	-	-	-	1	-
Missouri.....	-	-	1	-	-	-	4	-	-	-	3	-
North Dakota.....	-	-	2	-	-	-	1	1	-	-	1	-
South Dakota.....	-	-	-	-	-	1	-	1	-	1	-	1
Nebraska.....	-	-	2	1	-	-	-	1	-	-	-	1
Kansas.....	-	-	1	-	-	-	1	-	-	-	1	-
SOUTH ATLANTIC.....	7	4	6	2	-	5	33	75	-	4	27	64
Delaware.....	-	-	-	-	-	-	-	1	-	-	-	1
Maryland.....	1	-	2	-	-	-	1	1	-	-	1	1
Dist. of Columbia..	-	-	-	-	-	-	-	1	-	-	-	-
Virginia.....	1	-	3	-	-	-	4	18	-	-	4	13
West Virginia.....	-	-	-	-	-	-	1	3	-	-	1	3
North Carolina.....	-	-	-	-	-	1	12	4	-	1	7	4
South Carolina.....	-	1	-	-	-	-	3	7	-	-	3	6
Georgia.....	-	-	-	2	-	-	2	21	-	-	2	20
Florida.....	5	3	1	-	-	4	10	19	-	3	9	16
EAST SOUTH CENTRAL...	1	3	4	-	-	1	6	71	-	1	5	65
Kentucky.....	1	2	4	-	-	-	-	-	-	-	-	-
Tennessee.....	-	1	-	-	-	-	3	10	-	-	2	9
Alabama.....	-	-	-	-	-	1	2	53	-	1	2	48
Mississippi.....	-	-	-	-	-	-	1	8	-	-	1	8
WEST SOUTH CENTRAL...	5	1	1	-	-	2	10	26	-	2	8	25
Arkansas.....	-	-	-	-	-	-	-	4	-	-	-	3
Louisiana.....	-	-	1	-	-	1	-	14	-	1	-	14
Oklahoma.....	1	1	-	-	-	1	3	1	-	1	2	1
Texas.....	4	-	-	-	-	-	7	7	-	-	6	7
MOUNTAIN.....	2	1	1	-	-	-	8	6	-	-	5	5
Montana.....	1	-	-	-	-	-	1	-	-	-	1	-
Idaho.....	-	-	-	-	-	-	1	1	-	-	1	1
Wyoming.....	-	-	-	-	-	-	2	-	-	-	2	-
Colorado.....	-	1	-	-	-	-	1	1	-	-	1	1
New Mexico.....	-	-	-	-	-	-	3	1	-	-	-	-
Arizona.....	1	-	-	-	-	-	-	3	-	-	-	3
Utah.....	-	-	1	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	20	8	8	2	-	-	3	21	-	-	3	18
Washington.....	1	1	1	-	-	-	-	2	-	-	-	2
Oregon.....	-	1	-	-	-	-	1	2	-	-	1	1
California.....	19	6	7	2	-	-	2	17	-	-	2	15
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	5	-	-	-	4



## Morbidity and Mortality Weekly Report

409

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

NOVEMBER 14, 1964 AND NOVEMBER 16, 1963 (46TH WEEK) - CONTINUED

Area	Brucellosis		Diphtheria		Infectious Hepatitis including Serum Hepatitis						Typhoid Fever	
	1964	Cum.	1964	Cum.	Total	Under 20 years	20 years and over	Age Unknown	Cumulative		1964	Cum.
		1964		1964	1964	1964	1964	1964	1964	1963		1964
UNITED STATES...	6	358	8	249	623	276	300	47	33,713	38,292	6	406
NEW ENGLAND.....	-	2	-	44	44	19	24	1	3,036	4,351	-	17
Maine.....	-	-	-	39	12	6	6	-	948	1,963	-	-
New Hampshire.....	-	-	-	-	5	1	3	1	236	522	-	-
Vermont.....	-	-	-	-	5	3	2	-	364	118	-	-
Massachusetts.....	-	2	-	5	10	4	6	-	690	1,102	-	8
Rhode Island.....	-	-	-	-	6	1	5	-	188	102	-	6
Connecticut.....	-	-	-	-	6	4	2	-	610	544	-	3
MIDDLE ATLANTIC.....	1	6	-	10	112	50	62	-	7,407	7,560	2	66
New York City.....	-	-	-	5	24	10	14	-	1,153	1,183	-	33
New York, Up-State.....	-	2	-	-	47	24	23	-	3,202	3,250	2	14
New Jersey.....	-	-	-	2	8	1	7	-	1,239	1,117	-	2
Pennsylvania.....	1	4	-	3	33	15	18	-	1,813	2,010	-	17
EAST NORTH CENTRAL...	-	49	1	9	142	66	63	13	5,360	6,157	1	80
Ohio.....	-	5	-	-	23	14	6	3	1,399	1,678	1	20
Indiana.....	-	1	-	1	14	7	4	3	456	557	-	23
Illinois.....	-	28	1	7	44	14	30	-	1,013	1,296	-	23
Michigan.....	-	6	-	1	52	30	22	-	2,124	2,344	-	11
Wisconsin.....	-	9	-	-	9	1	1	7	368	282	-	3
WEST NORTH CENTRAL...	3	150	-	34	43	22	16	5	1,844	1,689	-	30
Minnesota.....	-	9	-	18	-	-	-	-	213	262	-	3
Iowa.....	2	95	-	-	14	5	5	4	324	309	-	4
Missouri.....	-	10	-	1	13	6	6	1	455	576	-	13
North Dakota.....	-	2	-	2	-	-	-	-	63	79	-	2
South Dakota.....	-	17	-	2	2	1	1	-	133	114	-	1
Nebraska.....	-	13	-	4	5	4	1	-	53	113	-	3
Kansas.....	1	4	-	7	9	6	3	-	603	236	-	4
SOUTH ATLANTIC.....	1	37	2	68	46	20	22	4	3,144	3,891	1	93
Delaware.....	-	-	-	-	2	1	1	-	70	72	-	-
Maryland.....	-	-	1	1	7	3	4	-	564	489	-	8
Dist. of Columbia..	-	-	-	-	1	1	-	-	65	106	-	-
Virginia.....	1	17	-	4	10	3	5	2	501	774	-	11
West Virginia.....	-	-	-	4	2	2	2	-	445	593	-	-
North Carolina.....	-	4	-	1	5	3	2	-	518	989	-	19
South Carolina.....	-	-	-	7	4	1	1	2	129	156	1	12
Georgia.....	-	12	1	30	2	-	2	-	105	166	-	27
Florida.....	-	4	-	25	11	6	5	-	747	546	-	16
EAST SOUTH CENTRAL...	-	18	4	30	32	16	16	-	2,305	3,541	2	41
Kentucky.....	-	6	-	-	12	6	6	-	813	1,036	-	10
Tennessee.....	-	5	-	2	14	7	7	-	816	1,372	2	19
Alabama.....	-	4	4	23	2	2	-	-	446	559	-	7
Mississippi.....	-	3	-	5	4	1	3	-	230	574	-	5
WEST SOUTH CENTRAL...	1	43	1	37	50	27	23	-	2,626	2,623	-	32
Arkansas.....	-	6	-	3	8	4	4	-	263	290	-	14
Louisiana.....	-	4	1	11	8	3	5	-	637	540	-	5
Oklahoma.....	-	7	-	-	1	-	1	-	126	118	-	9
Texas.....	1	26	-	23	33	20	13	-	1,600	1,675	-	4
MOUNTAIN.....	-	31	-	3	34	7	5	22	2,030	2,431	-	12
Montana.....	-	-	-	-	-	-	-	-	171	310	-	-
Idaho.....	-	-	-	-	6	-	-	6	286	413	-	-
Wyoming.....	-	-	-	-	2	2	-	-	82	34	-	1
Colorado.....	-	-	-	-	5	-	-	5	530	493	-	-
New Mexico.....	-	1	-	1	10	4	4	2	286	297	-	4
Arizona.....	-	2	-	2	8	-	-	8	447	548	-	7
Utah.....	-	27	-	-	3	1	1	1	177	318	-	-
Nevada.....	-	1	-	-	-	-	-	-	51	18	-	-
PACIFIC.....	-	22	-	14	120	49	69	2	5,961	6,049	-	35
Washington.....	-	-	-	13	15	6	7	2	604	1,023	-	2
Oregon.....	-	2	-	-	14	6	8	-	605	717	-	-
California.....	-	20	-	1	83	32	51	-	4,370	4,088	-	33
Alaska.....	-	-	-	-	6	5	1	-	266	179	-	-
Hawaii.....	-	-	-	-	2	-	2	-	116	42	-	-
Puerto Rico	-	-	-	12	14	11	3	-	883	776	-	13

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
NOVEMBER 14, 1964 AND NOVEMBER 16, 1963 (46TH WEEK) - CONTINUED

Area	Measles	Meningococcal Meningitis			Streptococcal Sore Throat and Scarlet Fever		Tetanus		Tularemia		Rabies in Animals	
		1964	Cumulative		1964	1963	1964	Cum. 1964	1964	Cum. 1964	1964	Cum. 1964
			1964	1963								
UNITED STATES...	1,539	46	2,391	2,097	6,436	6,356	5	249	2	293	72	3,986
NEW ENGLAND.....	352	2	78	127	607	478	-	9	-	1	-	33
Maine.....	65	-	6	19	66	13	-	-	-	-	-	28
New Hampshire.....	50	-	2	4	1	12	-	-	-	-	-	2
Vermont.....	8	-	4	6	20	11	-	-	-	-	-	2
Massachusetts.....	94	-	31	58	63	87	-	9	-	1	-	1
Rhode Island.....	81	-	10	11	57	20	-	-	-	-	-	-
Connecticut.....	54	2	25	29	400	335	-	-	-	-	-	-
MIDDLE ATLANTIC.....	71	4	316	292	204	228	1	22	1	1	1	113
New York City.....	9	-	44	45	15	16	-	-	-	-	-	-
New York, Up-State..	30	2	93	92	131	146	1	8	-	-	1	107
New Jersey.....	8	1	103	44	20	25	-	6	-	-	-	-
Pennsylvania.....	24	1	76	111	38	41	-	8	1	1	-	6
EAST NORTH CENTRAL...	270	11	332	319	535	595	1	47	1	23	5	556
Ohio.....	18	3	88	85	66	85	-	12	-	1	4	282
Indiana.....	40	1	52	42	111	116	1	14	-	2	1	29
Illinois.....	13	6	89	66	78	79	-	13	-	14	-	107
Michigan.....	120	1	72	93	201	191	-	7	-	2	-	53
Wisconsin.....	79	-	31	33	79	124	-	1	1	4	-	85
WEST NORTH CENTRAL...	77	2	137	127	308	211	-	17	-	56	17	1,209
Minnesota.....	1	-	29	25	8	23	-	4	-	2	7	379
Iowa.....	17	-	8	7	60	84	-	6	-	1	4	434
Missouri.....	2	1	62	36	34	8	-	4	-	30	2	181
North Dakota.....	47	-	20	14	169	76	-	-	-	-	3	60
South Dakota.....	7	-	3	7	17	14	-	1	-	15	1	85
Nebraska.....	3	-	6	25	1	-	-	-	-	-	-	35
Kansas.....	NN	1	9	13	19	6	-	2	-	8	-	35
SOUTH ATLANTIC.....	125	9	482	389	684	573	1	61	-	29	8	543
Delaware.....	-	-	6	4	2	3	-	-	-	-	-	-
Maryland.....	4	2	36	53	111	19	-	3	-	-	-	2
Dist. of Columbia..	-	-	16	8	3	1	-	1	-	1	-	-
Virginia.....	20	-	57	86	170	153	-	7	-	6	4	285
West Virginia.....	74	-	35	20	219	218	-	1	-	-	2	35
North Carolina.....	3	-	78	72	13	14	-	15	-	7	-	5
South Carolina.....	2	1	56	22	31	35	-	5	-	-	-	2
Georgia.....	4	2	81	33	21	5	-	4	-	14	1	116
Florida.....	18	4	117	91	114	125	1	25	-	1	1	98
EAST SOUTH CENTRAL...	87	1	184	145	1,134	1,401	-	32	-	30	20	533
Kentucky.....	8	1	61	31	110	273	-	8	-	2	1	58
Tennessee.....	60	-	56	67	898	1,055	-	12	-	20	19	401
Alabama.....	3	-	43	24	54	18	-	7	-	3	-	17
Mississippi.....	16	-	24	23	72	55	-	5	-	5	-	57
WEST SOUTH CENTRAL...	142	5	221	189	597	554	1	28	-	101	14	567
Arkansas.....	-	3	30	14	8	5	-	8	-	61	2	137
Louisiana.....	2	1	127	74	11	11	-	4	-	6	4	61
Oklahoma.....	-	-	13	33	22	-	-	1	-	20	2	92
Texas.....	140	1	51	68	556	538	1	15	-	14	6	277
MOUNTAIN.....	131	2	82	73	1,201	1,470	-	6	-	49	2	141
Montana.....	63	-	1	3	29	53	-	-	-	19	-	1
Idaho.....	16	-	3	6	120	66	-	1	-	-	-	-
Wyoming.....	-	-	5	7	86	160	-	2	-	10	-	-
Colorado.....	13	1	15	20	408	657	-	-	-	-	-	8
New Mexico.....	-	1	33	4	204	304	-	1	-	-	-	52
Arizona.....	2	-	8	11	125	124	-	1	-	-	1	66
Utah.....	36	-	7	18	229	105	-	1	-	20	1	3
Nevada.....	1	-	10	4	-	1	-	-	-	-	-	11
PACIFIC.....	284	10	559	436	1,166	846	1	27	-	3	5	291
Washington.....	109	2	45	39	316	303	-	3	-	-	-	-
Oregon.....	20	-	21	32	25	40	-	1	-	1	-	10
California.....	105	8	473	340	743	486	1	22	-	2	5	281
Alaska.....	2	-	7	12	13	17	-	-	-	-	-	-
Hawaii.....	48	-	13	13	69	-	-	1	-	-	-	-
Puerto Rico	127	-	32	1	9	10	-	61	-	-	-	25

Table 4 (B). REPORTED PNEUMONIA-INFLUENZA DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	10/24	10/31	11/7	11/14		10/24	10/31	11/7	11/14
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	16	7	11	7	Atlanta, Ga.....	5	5	6	6
Bridgeport, Conn.....	2	1	5	1	Baltimore, Md.....	4	4	4	7
Cambridge, Mass.....	5	7	-	-	Charlotte, N.C.....	1	2	2	1
Fall River, Mass.....	2	-	1	-	Jacksonville, Fla.....	1	1	1	3
Hartford, Conn.....	-	-	1	-	Miami, Fla.....	-	-	-	1
Lowell, Mass.....	1	2	2	4	Norfolk, Va.....	4	8	7	1
Lynn, Mass.....	3	1	2	1	Richmond, Va.....	3	4	6	3
New Bedford, Mass.....	2	2	-	1	Savannah, Ga.....	4	5	2	2
New Haven, Conn.....	-	1	3	-	St. Petersburg, Fla.....	2	7	7	2
Providence, R.I.....	2	3	-	-	Tampa, Fla.....	7	7	7	5
Somerville, Mass.....	2	-	2	2	Washington, D.C.....	5	10	22	9
Springfield, Mass.....	10	9	3	5	Wilmington, Del.....	2	4	5	-
Waterbury, Conn.....	1	-	-	1					
Worcester, Mass.....	6	3	3	9	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.....	2	2	1	1
Albany, N.Y.....	1	1	1	-	Chattanooga, Tenn.....	-	5	2	2
Allentown, Pa.....	4	-	1	5	Knoxville, Tenn.....	-	2	1	6
Buffalo, N.Y.....	6	4	6	7	Louisville, Ky.....	13	15	10	19
Camden, N.J.....	4	4	2	1	Memphis, Tenn.....	5	10	12	7
Elizabeth, N.J.....	-	-	3	1	Mobile, Ala.....	-	2	1	2
Erie, Pa.....	2	3	4	1	Montgomery, Ala.....	3	-	3	1
Jersey City, N.J.....	4	5	8	6	Nashville, Tenn.....	5	3	3	7
Newark, N.J.....	10	3	8	6	WEST SOUTH CENTRAL:				
New York City, N.Y.....	64	57	53	56	Austin, Tex.....	6	4	5	4
Paterson, N.J.....	3	6	4	4	Baton Rouge, La.....	1	3	2	-
Philadelphia, Pa.....	17	12	20	16*	Corpus Christi, Tex.....	-	-	-	1
Pittsburgh, Pa.....	6	8	6	5	Dallas, Tex.....	2	6	3	2
Reading, Pa.....	1	3	4	1	El Paso, Tex.....	2	4	1	2
Rochester, N.Y.....	14	5	12	11	Fort Worth, Tex.....	1	4	3	1
Schenectady, N.Y.....	1	-	1	1	Houston, Tex.....	5	6	4	5
Scranton, Pa.....	5	-	2	1	Little Rock, Ark.....	3	5	2	1
Syracuse, N.Y.....	-	-	1	-	New Orleans, La.....	21	7	6	6
Trenton, N.J.....	1	2	3	1	Oklahoma City, Okla.....	-	1	-	-
Utica, N.Y.....	12	5	5	7	San Antonio, Tex.....	7	3	3	2
Yonkers, N.Y.....	-	1	2	1	Shreveport, La.....	3	5	8	3
EAST NORTH CENTRAL:					Tulsa, Okla.....	4	2	4	3
Akron, Ohio.....	1	1	-	1	MOUNTAIN:				
Canton, Ohio.....	4	8	6	3	Albuquerque, N. Mex.....	3	1	4	3
Chicago, Ill.....	33	31	17	35	Colorado Springs, Colo...	2	2	2	1
Cincinnati, Ohio.....	12	5	3	3	Denver, Colo.....	7	3	2	2
Cleveland, Ohio.....	3	6	4	4	Ogden, Utah.....	2	1	3	2
Columbus, Ohio.....	4	3	4	3	Phoenix, Ariz.....	7	1	7	7
Dayton, Ohio.....	3	2	3	3	Pueblo, Colo.....	-	3	-	-
Detroit, Mich.....	22	9	8	11	Salt Lake City, Utah.....	1	1	1	3
Evansville, Ind.....	3	5	2	2	Tucson, Ariz.....	1	1	2	1
Flint, Mich.....	1	-	-	-	PACIFIC:				
Fort Wayne, Ind.....	7	2	1	2	Berkeley, Calif.....	-	-	-	-
Gary, Ind.....	3	4	2	4	Fresno, Calif.....	4	2	2	3
Grand Rapids, Mich.....	-	8	1	9	Glendale, Calif.....	-	-	2	-
Indianapolis, Ind.....	8	4	4	2	Honolulu, Hawaii.....	4	-	1	-
Madison, Wis.....	-	-	-	-	Long Beach, Calif.....	-	-	2	-
Milwaukee, Wis.....	4	-	2	5	Los Angeles, Calif.....	15	16	23	11
Peoria, Ill.....	-	1	1	-	Oakland, Calif.....	2	5	5	2
Rockford, Ill.....	4	4	2	2	Pasadena, Calif.....	-	-	-	1
South Bend, Ind.....	1	5	2	1	Portland, Oreg.....	2	1	-	1
Toledo, Ohio.....	4	10	1	5	Sacramento, Calif.....	2	1	5	1
Youngstown, Ohio.....	-	-	1	-	San Diego, Calif.....	5	4	2	2
WEST NORTH CENTRAL:					San Francisco, Calif.....	6	2	3	7
Des Moines, Iowa.....	1	3	3	-	San Jose, Calif.....	3	4	2	4
Duluth, Minn.....	-	-	-	-	Seattle, Wash.....	3	2	4	1
Kansas City, Kans.....	2	5	1	3*	Spokane, Wash.....	-	-	1	1
Kansas City, Mo.....	8	4	3	6	Tacoma, Wash.....	1	2	-	-
Lincoln, Nebr.....	2	3	-	1					
Minneapolis, Minn.....	1	-	-	3					
Omaha, Nebr.....	3	1	5	3					
St. Louis, Mo.....	9	7	2	8					
St. Paul, Minn.....	3	1	1	-					
Wichita, Kans.....	4	5	2	4					

<sup>o</sup>Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 11,335

4(B) Pneumonia-Influenza Deaths, all ages..... 425

4(C) Total Deaths under 1 Year of Age..... 738

4(D) Total Deaths, Persons 65 years and over..... 6,336

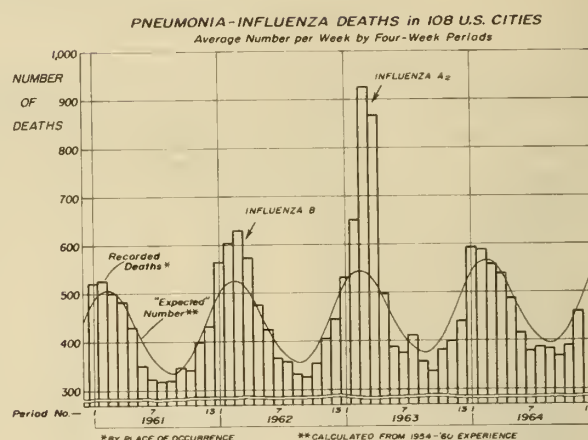
\*Estimate - based on average percent of divisional total.  
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

# SUMMARY OF PNEUMONIA AND INFLUENZA DEATHS

The weekly average number of pneumonia-influenza deaths for the four-week period ending November 14 was 460 as compared with an expected weekly average of 474.

	Week ending				4 Week	Weekly
	10/24	10/31	11/17	11/14	Total	Average
Observed	511	457	448	425	1841	460
Expected	457	468	480	492	1897	474
Excess	54	- 11	- 32	- 67	- 56	- 14



(See table, page 411)

## INTERNATIONAL NOTES - QUARANTINE MEASURES

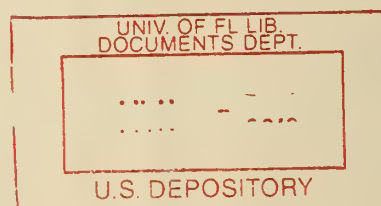
### POLIOMYELITIS - Jamaica

An outbreak of clinical poliomyelitis occurred in urban Kingston, Jamaica beginning September 2, 1964. Since that date, 23 cases of poliomyelitis have been reported, all in children under age 3, with the exception of 2 cases age 6. Only one of the victims had been previously vaccinated having had one dose of trivalent oral vaccine in 1962. There have been 3 fatalities; Type I poliovirus was isolated from one of these fatal cases.

Trivalent oral polio vaccine is being administered in an effort to halt the epidemic. There have been no new cases reported since November 7.

(Reported by Dr. Charles Wedderburne, Chief, Medical Officer, Ministry of Health, Kingston, Jamaica, and Dr. Donald Luck, Epidemiologist, Ministry of Health, Kingston, Jamaica.)

U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
Communicable Disease Center  
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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASES, SUCH ACCOUNTS SHOULD BE ADDRESSED TO:

THE EDITOR  
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NOTES: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE COMMUNICABLE DISEASE CENTER BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS.

SYMBOLS: --- DATA NOT AVAILABLE  
- QUANTITY ZERO

PROCEDURES FOR CONSTRUCTION OF VARIOUS MORTALITY CURVES MAY BE OBTAINED FROM STATISTICS SECTION, COMMUNICABLE DISEASE CENTER, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, ATLANTA, GEORGIA 30333.

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